

Maritime Technology: Innovations and Milestones

Maritime Technology · Answer Key · 12 Questions

1. The first operational steam-powered warship, HMS *Dromedary*, was launched in what year?

- A) 1790
- B) 1800
- C) 1808**
- D) 1815

2. What year saw the maiden voyage of the SS *Great Western*, a pivotal vessel in the development of transatlantic steamship travel?

- A) 1830
- B) 1838**
- C) 1845
- D) 1852

3. The first successful demonstration of a submarine capable of sustained underwater operation, the *Turtle*, was designed by which American inventor in 1775?

- A) Robert Fulton
- B) John Paul Jones
- C) David Bushnell**
- D) Thomas Paine

4. In what year did the U.S. Navy launch the USS *Monitor*, a revolutionary ironclad warship that fought the CSS *Virginia*?

- A) 1859
- B) 1861
- C) 1862**
- D) 1865

5. The development of the gyroscope as a navigational aid for ships is primarily attributed to the work of which French engineer, who patented a gyroscopic compass in 1908?

- A) Charles Babbage
- B) Hermann Anschütz-Kaempfe**
- C) Édouard Branly
- D) Léon Foucault

6. What year did the maiden voyage of the RMS *Titanic* take place, a tragedy that significantly influenced maritime safety regulations?

- A) 1901
- B) 1907
- C) 1912**
- D) 1915

7. The concept of sonar (Sound Navigation and Ranging) was significantly developed during World War I, with the first practical hydrophone system being installed on ships around what year?

- A) 1914
- B) 1916**
- C) 1918
- D) 1920

8. The first successful nuclear-powered submarine, the USS *Nautilus*, was commissioned by the U.S. Navy in what year?

- A) 1950
- B) 1954**
- C) 1958
- D) 1962

9. What year did the container ship SS *Idea* complete the first fully automated container loading and unloading operation, signifying a major shift in port logistics?

- A) 1968
- B) 1972**
- C) 1976
- D) 1980

10. The MARPOL (International Convention for the Prevention of Pollution from Ships) convention, a key global treaty for maritime environmental protection, entered into force in what year?

- A) 1973
- B) 1978
- C) 1983**
- D) 1990

11. The Integrated Bridge System (IBS), which combines various navigation and control functions onto a single display, became widely adopted in commercial shipping starting in which decade?

- A) 1970s
- B) 1980s
- C) 1990s**
- D) 2000s

12. What year did the first large-scale use of GPS (Global Positioning System) for civilian maritime navigation become common, revolutionizing positional accuracy at sea?

- A) 1985
- B) 1990**
- C) 1995
- D) 2000